

CLAIMS

1 1. A method of edge glueing, comprising the steps of
2 expanding a product web; transporting the expanded product web at least at
3 its edges in a predetermined distance from a spraying nozzle; and spraying
4 the expanded web with a glue, said spraying being performed by applying
5 the glue in a spin spraying process.

1 2. A method as defined in claim 1; and further comprising
2 holding the product web under a longitudinal tensioning.

1 3. A method as defined in claim 1, wherein said spraying with
2 glue includes using the glue composed of a solvent-containing product on
3 the basis of water.

1 4. A method as defined in claim 3, wherein the product is
2 selected from the group consisted from a synthetic plastic dispersion and a
3 synthetic plastic solution.

1 5. A method as defined in claim 1; and further comprising the
2 step of heating the glue before spraying to a temperature of 20-80°C.

1 6. A method as defined in claim 1; and further comprising the
2 steps of measuring a quantity of the applied glue; and regulating the quantity
3 by varying the pressure of a substance applied by the spin spraying nozzle.

1 7. A method as defined in claim 6, wherein said regulating
2 includes regulating by varying the pressure of the glue supplied by the spin
3 spraying nozzle.

1 8. A method as defined in claim 6, wherein said regulating
2 includes varying the pressure of an air supplied through the spin spraying
3 nozzle.

1 9. An arrangement comprising a tensioning aggregate; a
2 device for edge glueing, said tensioning aggregate including a region in
3 which product web is expanded on its edges and smoothed, said device for
4 edge glueing including a spin spraying nozzle which is adapted to be
5 arranged at a predetermined distance from the product web.

1 10. An arrangement as defined in claim 9, wherein said spin
2 spraying nozzle is arranged at a predetermined distance from the edges of
3 the product web.

1 11. An arrangement as defined in claim 9, wherein said spin
2 spraying nozzle is arranged at a predetermined distance from the sensor of
3 the product web.

1 12. An arrangement as defined in claim 9; and further
2 comprising a tensioning chain; an inlet device provided with pulling means,
3 expanding means and mounting means for mounting the edges of the
4 product web on said tensioning chain and located one after the other, so that
5 in the region of said pulling means and said mounting means the product
6 web is expanded and smoothed, said spin spraying nozzle being located in
7 said region at a height or behind said expanding means in front of said
8 mounting means, said mounting means being provided with openings for
9 glue tracks.

1 13. An arrangement as defined in claim 9; and further
2 comprising an inlet device; and a tensioning chain, said device for edge
3 glueing being arranged behind said inlet device on said tensioning chain;
4 means for loosening the product web from said tensioning chain and
5 smoothing the product web located on the edges above the product web and
6 extending outwardly beyond the plane of the product web, said spin spraying
7 nozzle being arranged on said means; and mounting means provided directly
8 behind said means and having openings for a glue track for another
9 mounting of the product web on the tensioning chain.

1 14. An arrangement as defined in claim 13, wherein the means
2 have a pressing roller, said pressing roller being vertically displaceable while
3 said mounting means being horizontally displaceable.

1 15. An arrangement as defined in claim 14, wherein said
2 pressing roller is formed as a negative pressing roller.

1 16. An arrangement as defined in claim 9; and further
2 comprising an inlet device; a tensioning chain, said device for edge glueing
3 being located behind said inlet device on said tensioning chain with a needle
4 box; and means for releasing the product web from the tensioning chain and
5 for clamping the product web, and holding means.

1 17. An arrangement as defined in claim 16; and further
2 comprising a pressing roller adapted to be arranged on the edges above the
3 product web under said needle box; and a holding wire arranged laterally
4 near said pressing roller on said needle box, said spin spraying nozzle being
5 arranged above said pressing roller.